

WHAT I/WE CLAIM IS:

1. A method of treating animals
characterised by the step of
introducing to the animal a single delivery device containing two or more
active agents,
wherein the delivery device is configured to release an effective amount
of active agents over a defined time period of 3-14 days.
2. A method as claimed in claim 1 wherein the said two or more active
agents effect a reduction in the parasite burden of the animal.
3. A method as claimed in claim 1 or claim 2 wherein the said two or more
active agents effect a reduction in the number of resistant parasites in
the animal.
4. A method as claimed in any one of claims 1 to 3 wherein the said two or
more active agents are anthelmintics.
5. A method as claimed in claim 4 wherein said anthelmintics are selected
from a list including nematocidal, flukicidal, trematocidal, cestocidal and
ectoparasiticidal active agents.
6. A method as claimed in claim 4 or claim 5 wherein said anthelmintics
from at least two different action families.
7. A method as claimed in any one of claims 4 to 6 wherein said
anthelmintics include a macrocyclic lactone.
8. A method as claimed in claim 7 wherein the macrocyclic lactone is
abamectin.

9. A method as claimed in claim 8 wherein the abamectin is delivered at a dosage of substantially 0.1 – 0.2 mg/kg/day.
10. A method as claimed in any one of claims 4 to 9 wherein said anthelmintics include a benzimidazole.
11. A method as claimed in claim 10 wherein the benzimidazole is albendazole.
12. A method as claimed in claim 11 wherein the albendazole is delivered at a dosage of substantially 3.0 - 5.0 mg/kg/day.
13. A method as claimed in any one of claims 4 to 12 wherein said anthelmintics include tricalbendazole.
14. A method as claimed in any one of claims 1 to 13 wherein said two or more active agents include at least one antibiotic, antiviral or antifungal agent.
15. A method as claimed in any one of claims 1 to 14 wherein said two or more active agents include biological agents, micro-organisms and/or reproductive matter thereof, therapeutic substances, mineral or nutritional supplements.
16. A method as claimed in any one of claims 1 to 15 wherein the animal is a sheep.
17. A method as claimed in any one of claims 1 to 16 wherein the defined time period is 5 – 10 days.
18. A method as claimed in any one of claims 1 to 17 wherein the defined time period is 6 - 8 days.

19. A method as claimed in any one of claims 1 to 18 wherein the parasite is an endoparasite selected from a list including helminths, nematodes, cestodes and trematodes.
20. A method as claimed in any one of claims 1 to 18 wherein the parasite is an ectoparasite selected from a list including ticks, lice, flies and fleas.
21. A method as claimed in any of claims 1 to 20 wherein the delivery device is a controlled release device.
22. A method as claimed in claim 21 wherein the controlled release device is a ruminal bolus.
23. A method as claimed in any one of claims 1 to 22 wherein the delivery device delivers a maximum integral dose.
24. A delivery device for use in a method as claimed in any one of claims 1 – 23.
25. The use of two or more active agents in the manufacture of a delivery device as claimed in claim 24.
26. A method of treating animals substantially as described herein with reference to and as illustrated by the accompanying description and examples.
27. A delivery device substantially as described herein with reference to and as illustrated by the accompanying description and examples.